Agate Fossi	Beds Nation	ai Monument																														
Plot Code	Poly SubPlot Cod	Provisiona rgon Community le Name		Location State Code	n Coord GPS System Techniqu	Corrected ues UTM X	Corrected UTM Y	Survey Date Survey	Plot X yors Directions Din	Y mension Dimens	ion Photos I	Roll Frame Number Numbe	Permanent Representativeness	Eleva Elevation Units	ition Slope	Aspect I	Topo Position Land	Surficial Cowa form Geology Syste	rdin m Hydro Regime	Environmenta e Comments	I Soil Taxon/Descriptio	Soil on Texture	Soil Soil Depth Drainage	% L Bedrock R	% % Large Sn Rocks Ro	nall % ocks Sand	% Litter, % Duff Woo	% Bar d Water Soi	re % % Oil	ther Leaf cription Phenolog	y Leaf Type	Physio Class
AGFO.1	FALSE 03	colluvial sar	Calamovilfa longifolia - Andropogon hallii nd Herbaceous Vegetation N	ie AGFO	+/- 8M GOVT 1 PLGR	604784	4697333	S. 8 7/10/97 Rolfsm		10	10 TRUE	5	fairly typical of prairie in vicinity except less FALSE disturbed	4427 2	Gentle	N I	Lowslope Valley	Slope & Modified Deposits:	d		loamy fine sand	Sand	Well 0 drained	0	0	0 0	0	0 0	1 0	Herb- perennial	Graminoid	Herbaceous vegetation
AGFO.2	FALSE 03A	colluvial sai	Calamovilfa longifolia - Andropogon hallii d Herbaceous Vegetation		+/-5.8M GOVT 1 PLGR	600789	4697100	S. Rolfsm 7/29/97 C. Ree	ca. 100- 200m W of NE corner of grazed inclusion, W leier, end d monument	10	10 TRUE	7	unusually low forb	4426 2	Gentle	s	Lowslope Valley	Slope & Modified Deposits: Colluvial Uplan	d		fine sand	Sand	Well 0 drained	0	0	0 0	1	0 0	1 0	Herb-	Graminoid	Herbaceous
	FALSE 03A	colluvial sai	Calamovilfa longifolia - Andropogon hallii Herbaceous		+/-5.6M GOVT 1 PLGR			S.	ca. 100- 200m W of NE corner of grazed inclusion on leier. W end	10	10 TRUE		FALSE fairly representative	4426 2	Gentle			Slope & Modified Deposits:				Sand	Well 0 drained							Herb-	Graminoid	Herbaceous
	FALSE 03A	colluvial sa	Vegetation N  Calamovilfa longifolia - Andropogon hallii Herbaceous Vegetation N		+/-7.4M GOVT 1 PLGR			S.	ca. 200- 300m W of SE corner of grazed inclusion on leier, W end		10 TRUE		FALSE fairly typical	4415 2	Moderate		Lowslope Valley	Slope & Modified Deposits: Colluvial Uplan			fine sand	Sand	Well 0 drained	0	0		0	0 0		Herb-		Herbaceous
AGFO.4	FALSE USA	rock	Stipa comata - Bouteloua gracilis - Carex filifolia	iE AGFO	+/-10M	600856	4690506	7/29/97 C. Ree	atop NW- facing slope at NW end	10	10 IKUE	1 11	plot represents most of the variability in the community, but probably with more than typical amounts	4415 2	Moderati		Toeslope Hill	Slope & Modified	0		shallow fine loam			0	0	0 0	2	0 0	2 0		Graminoid	
AGFO.5	FALSE 03B	mosaic	Vegetation N Stipa comata - Bouteloua gracilis -	NE AGFO	GOVT 1 PLGR	604907	4697074	S. 7/10/97 Rolfsm	ca. 25m S of state.	10	10 TRUE	6	of rock outcrop FALSE elements	4467 2	Gentle	N s	High slope Hills	Deposits: Colluvial Uplan	d		sand with gravel over sandstone	Sand	0 drained	0	1	1 0	0	0 0	1 0	Herb- perennial	Graminoid	Herbaceous vegetation
AGFO.6	FALSE 03B	rock outcro mosaic - Burchard Tassel type	filifolia Herbaceous	IE AGFO	+/-6.6M GOVT 1 PLGR	603818	4696448	S. 7/13/97 Rolfsm	atop low hill S of Bone Cabin ca 200m atop crest of low hill ca 200m SW	10	10 TRUE	15	fairly typical of hilltops in this soil FALSE	4490 2	Gentle	NW I	Interfluve Hills	Slope & Modified Deposits: Colluvial Uplan	d		shallow loamy fine soil over sandston w/ small rock fragments	Sand	Well 0 drained	0	0	0 0	0	0 0	2 0	Herb- perennial	Graminoid	Herbaceous vegetation
AGFO.7	FALSE 03B	rock outcro mosaic - Busher - Tassel type	Bouteloua gracilis - Carex filifolia Herbaceous	iE AGFO	+/-8.7M GOVT 1 PLGR	604590	4696346	S. 7/15/97 Rolfsm	Carnegie Hill excavation above Bone Cabin Loop	10	10 TRUE	19	less vegetated - denser cover of Bouteloua gracilis than is typical for FALSE overall community fairly representative -	4545 2	Gentle	W	High slope Hills	Slope & Modified Deposits: Colluvial Uplan	d		shallow fine loam sand over rock	Sand	Well 0 drained	0	0	0 0	0	0 0	3 0	Herb- perennial	Graminoid	Herbaceous vegetation
AGFO.8	FALSE 09	cat-tail man	Typha latifolia Western Herbaceous Vegetation	IE AGFO	+/-12M GOVT 1 PLGR	604338	4697269	S. 7/9/97 Rolfsm	Niobrara River ca 300m SE of Visitors leier Center margin (N	10	10 TRUE	4	contains other portions of marsh than those dominated by cat-	4406 2	Gentle	s I	Flood Low level plain	Slope & Modified Deposits: Alluvium	Seasonally flooded	portions of plot saturated	fine sand	Sand	Very poorly 0 drained	0	0	0 0	0	0 0	0 0	Herb- perennial	Graminoid	Herbaceous vegetation
AGFO.9	FALSE 09	cat-tail man	Typha latifolia Western Herbaceous sh Vegetation N	ie agro	+/-6.4M GOVT 1 PLGR	604006	4697304	S. I 7/11/97 Rolfsm	side of ) abandoned sandy river channel ca. 500m SE river road overlook & 500m SW visitor neier center	10	10 TRUE	14	plot is at border of cat-tail patch but represents variability in overall community except for reduced FALSE cat-tail density	4385 2	Gentle	S	Flood Low level plain	Slope & Modified Deposits: Alluvium Palust	Temporarily trine flooded		sand with some organic matter	Sand	Poorly 0 drained	0	0	0 0	1	0 0	0 0	Herb- perennial	Graminoid	Herbaceous vegetation
AGFO 10	FALSE 10	cal-tail man	Typha latifolia Western Herbaceous sh Vegetation N	NE AGFO	+/-12M GOVT 1 PLGR	604338	4697269	S. S. 97/16/97 Rolfsm	slong S side of River Rd. just E of Hgwy 29 - NW comer at margin of marsh ca. 15m E (and a little south) of telephone cable warning seier sign	10	10 TRUE	25, 26	typical of large cat- FALSE tail manshes	4406 2	Gentle	SE	Flood	Stope & Modified Deposits: Alluvium Palust	Semipermaner	ntly	muck over sand	Muck	Very poorly 0 drained	0	0	0 0	2	0 0	0 0	Herb- perennial	Graminoid	Herbaceous vegetation
AGFO.11			Annual- dominated Floodplain Disturbance k Community N		1 +/-6.3M	603759	4697400	S. 7/16/97 Rolfsm	ca. 50m due S of pulloff on River Rd. at edge of floodplain ca. 400m W of visitors	10	10 TRUE		unusual in that the upper part is xeric and unstabilized, whereas the lower portion is mesic and FALSE +/- stabilized	4410 2	Steep	SE (	Channel Valley wall floor	Slope & Modified			fine sand - loamy sand in lower portion	Sand	Well 0 drained	0	0	0 0	1	0 0	3 0	Herb- annual		Herbaceous
AGFO.12	FALSE 09	floodplain disturbance	Annual- dominated Floodplain Disturbance Community	NE AGFO	+/-9.5M GOVT 1 PLGR	604519	4697716	S. 7/9/97 Rolfsm	side of Niobrara River ca 20m SW of deep N-S slough SW of housing units ca. 200m SE of	10	10 TRUE	1	fairly representative of most disturbance FALSE in area	4398 2	Gentle	S I	Flood Low level plain	Slope & Modified Deposits: Alluvium Palusi	Intermittently flooded	surface somewhat irregular due to gopher mounds	loamy fine sand	Sand	Somewhat poorty 0 drained		0	0 0	0	0 0	1 0	Herb- annual	Broad leaf herbaceous	
AGFO.13	FALSE 06	floodplain disturbance	Annual- dominated Floodplain Disturbance Community	iE AGFO	1 +/-6.3M	603887	4697313	S. 8 7/11/97 Rolfsm	overlook along river road - N side of Niobrara River; NOTE - GPS reading is in approximate	10	10 TRUE	12	unlike other plots of this type - perhaps a FALSE separate community	4391 2	Gentle	SE I	Flood Low level plain	Slope & Modified Deposits: Alluvium Palusi	Temporarily flooded		fine sand	Sand	Somewhat poorly 0 drained	at 0	0	0 0	0	0 0	1 0	Herb- annual	Broad leaf herbaceous	Herbaceous vegetation
AGFO.14	FALSE 05	floodplain disturbance	Pascopyrum	IE AGFO	+/-9.0M GOVT 1 PLGR	599545	4697512	S. 2 7/14/97 Rolfsm	stop sign along N side of road at W eler entrance	10	10 TRUE	17	more brushy than FALSE most fairly typical of	4417 2	Gentle	SE I	Low level Chann	Slope & Modified Deposits: nel Alluvium Palusi	Intermittently flooded	salt crusts on soil NE of plot	sand w/ little organic matter	Sand	Somewhat poorly 0 drained	at 0	0	0 0	2	0 0	1 0	Herb- annual	Broad leaf herbaceous	Herbaceous vegetation
AGFO.15	FALSE 07	floodplain meadow	smithii Herbaceous Vegetation [Provisional] N Pascopyrum smithii	IE AGFO	+/-8.3M GOVT 1 PLGR	604401	4697485	S. 7/11/97 Rolfsm	of N end of footbridge S of visitors leier center ca. 150m NE of old	10	10 TRUE	9	community, except for a few upland elements such as FALSE Artemisia frigida	4404 2	Gentle	E I	Lowslope Valley	Slope &	d		loamy fine sand	Sand	Well 0 drained	0	0	0 0	1	0 0	1 0	Herb- perennial	Graminoid	Herbaceous vegetation
AGFO.16	FALSE 07A	floodplain meadow	smitnii Herbaceous Vegetation [Provisional] N	IE AGFO	+/-8.7M GOVT 1 PLGR	604138	4697244	S. 7/11/97 Rolfsm	stock pond NE of Bone	10	10 TRUE	10	FALSE fairly typical	4408 2	Gentle	NW I	Low level Valley	Modified Deposits:	d	dense thatch layer	loamy fine sand	Sand	Well 0 drained	0	0	0 0	1	0 0	1 0	Herb- perennial	Graminoid	Herbaceous vegetation

Aguit Possil Beds National Minimument  Provisional Classified Plot Polygon Community Location Coord GPS Corrected Corrected Survey Plot X Y Roll Frame Flow SupPlot Code Name Name State Code System Techniques UTM X UTM Y Date Surveyors Directions Dimension Dimension Photos Number Number Permanent Representativeness Elevation Units Slope Aspect Position Landform Geology System Regime Comments Taxon/Description Texture Depth Drainage Bedrock Rocks Sand Duff Wood Water Soil Other Description Phenology  Note: The Code SupPlot Code Name Name State Code System Techniques UTM X UTM Y Date Surveyors Directions Dimension Photos Number Permanent Representativeness Elevation Units Slope Aspect Position Landform Geology System Regime Comments Taxon/Description Texture Depth Drainage Bedrock Rocks Sand Duff Wood Water Soil Other Description Phenology  Note: The Code SupPlot Code Name Name State Code System Techniques UTM X UTM Y Date Surveyors Directions Dimension Dimension Dimension Photos Number Permanent Representativeness Elevation Units Slope Aspect Position Landform Geology System Regime Comments Taxon/Description Texture Depth Drainage Bedrock Rocks Sand Duff Wood Water Soil Other Description Phenology  Note: The Code SupPlot Code Name Name State Code System Techniques UTM X UTM Y Date Surveyors Directions Dimension Photos Number Name Name State Code SupPlot Code Name Name State Code																															
Plot Code Su	Polygo bPlot Code	Provisiona on Community Name	I Classified y Community Name	Loca State Code	e System	GPS Techniques	Corrected C	Corrected Survey JTM Y Date Surve	Plot Directions along W fence of	X Y Dimension Dimer	Rision Photos N	coll Frame lumber Number	Permanent Representativeness	Elevation Units	n Slope Aspe	Topo et Position L	Surficial andform Geology	Cowardir System	Hydro Environment Regime Comments	al Soil Taxon/Description	Soil Son Texture I	Soil Soil Depth Drainage	% Larg Bedrock Roc	% e Small sks Rocks S	% Litter Sand Duff	r, % % Wood W	% Bare 9 /ater Soil (	% % Other Other Descript	Leaf ion Phenology	y Leaf Type	Physio Class
AGFO.17 F.	ALSE 07A	floodplain meadow	Pascopyrum smithii Herbaceous Vegetation [Provisional]	NE AGF	0 1		0	S. Rollsm 0 7/29/97 C. Ree	grazed enclosure, W end monument, ca. 200m S neier, of NW corner along W side of W fence	10	10 TRUE II	5	atypical - species composition differs from most ungrazed examples of this community on FALSE monument	4447 2	Gentle S	Low level \	Slope & Modified Deposits Colluvial	Upland		fine sand	Sand	Moderatel well 0 drained	by o	0 0	0 1	1 0	0 1	0	Herb- perennial	Graminoid	Herbaceous vegetation
AGFO.18 F	ALSE 07A	floodplain meadow	Pascopyrum smithii Herbaceous Vegetation [Provisional]	NE AGF		+/-8.9M GOVT PLGR	599587	S. Rolfsm 4697271 7/29/97 C. Ree	near SE	10	10 TRUE II	6	larger upland prairie component than FALSE usual	4390 2	Gentle S	Low level \	Slope & Modified Deposits Colluvial	Upland		fine loamy sand	Sand	Moderatel well 0 drained	by 0	0 0	0 1	1 0	0 1	0	Herb- perennial	Graminoid	Herbaceous vegetation
AGFO.19 F.	ALSE 04A	floodplain meadow	Pascopyrum smithii Herbaceous Vegetation [Provisional]	NE AGF		+/-6.4M GOVT PLGR	600953		corner of grazed inclusion on ed, J. W end monument W end of	10	10 TRUE II	10	atypically high % of sage - likely due to FALSE	4445 2	Flat (n/a)	Low level \	Slope & Modified Deposits Colluvial	Upland		fine sand	Sand	Well 0 drained	0	0 0	0 1	1 1	0 0	0	Herb- perennial	Graminoid	Herbaceous vegetation
AGFO.20 F.	ALSE 01	floodplain woodland	Populus deltoides - (Salix amygdaloides) / Salix exigua Woodland	NE AGF		+/-6.2M GOVT PLGR	599525	S. 4697221 7/16/97 Rollsm	plot begins near large cottonwoods on S side of Niobrara River E of Hwgy 29	25	15 TRUE I	27	represents most of variation in this type of floodplain woodland	4412 2	Steep NE	Channel wall C	Slope & Modified Deposits Alluvium	Palustrine	Intermittently flooded	sandy loam	Sandy loam	Somewhai poorly 0 drained	t O	0 0	0 0	0 1	0 1	0	Cold- deciduous	Broad- leaved	Woodland
AGFO.21 F.	ALSE 01	floodplain woodland	deltoides - (Salix amygdaloides) / Salix exigua	NE AGF		+/-8M GOVT PLGR	601132	S. 4696524 7/28/97 Rollfsm	S side of river ca. 200m E of grazed	25	15 TRUE II	1,2	more densely wooded than most portions of this FALSE wooded area	4435 2	Gentle N	Low level of	Slope & Modified Deposits hannel Alluvium	Palustrine	Intermittently flooded	fine sand	Sand	Somewhai poorly 0 drained	0	0 0	0 (	0 1	0 0	0	Cold- deciduous	Broad- leaved	Woodland
AGFO.22 F.	ALSE 03	gravel wash	Stipa comata - Bouteloua gracilis Gravel Herbaceous Vegetation	NE AGF		+/-6M GOVT PLGR	602940	S. 4696351 7/15/97 Rollsm	broad draw on E side of service road SW of range residence, just S of gravel quarry ca. 150m N of boundary neler fence	10	10 TRUE I	20	broader and less disturbed than most FALSE examples	4410 2	Gentle SW	Channel bed V	Slope & Modified Deposits Vash Alluvium	: Upland	bare soil covered with cryptogamic crust	shallow poorly developed - rock fragments w/ fine sand interspersed	I Sand	Well 0 drained	0	0 4	0 (	0 0	0 2	0	Herb- perennial	Graminoid	Herbaceous vegetation
AGFO.23 F.	ALSE 11	rock outcrop	Schizachyrium scoparium - Bouteloua (curtipendula, gracilis) - Carex filifolia Herbaceous	NE AGF		+/-8.5M GOVT PLGR	603615	4696337 7/13/97 S. Rolfsm	atop N point of rock S of ranger neier residence	10	10 TRUE I	16	unusual in that it is nearly level and made up of small rock fragments - small band of mixed grass prairie FALSE	4640 2	Gentle W	Interfluve I	Sedimen Rocks: Sandstor	tary ne Upland		fine sand with roc fragments - little to no soil development	k o Sand	Rapidly 0 drained	0	0 7	0 (	0 0	0 0	0	Herb-		Herbaceous
AGFO.24 F.	ALSE 11	rock outcrop	Schizachyrium scoparium - Bouteloua (curtipendula, gracilis) - Carex filifolia Herbaceous Vegetation	NE AGF		+/-6M GOVT PLGR	601413	S. 4697451 7/15/97 Rollsm	of old field on N side of River Road - ca 1/2 mi NW of small praking lot - at ofrk S end of bluff (E side of plotan on old Indian	10	10 TRUE I	22	fairly typical of level FALSE bluff top outcrops	4514 2	Moderate SW	Interfluve I	Sedimen Rocks: Sandstor		site on ridgecrest - aspect differs on differing sides of plot	shallow, poorly- developed, mostly small rocks with fine sand between		Rapidly 0 drained	1	0 6	0 0	0 0	0 0	0	Herb- perennial	Graminoid	Herbaceous vegetation
AGFO.25 F		upland	Upland Disturbance	NE AGF		+/-5M GOVT PLGR		S. 4697080 7/10/97 Rollfsm	ca. 50m E of small dugout pond NE of	10	10 TRUE I	8	plot is at margin of very large patch of winter fat, probably representive of most variation in the FALSE community	4423 2	Gentle NW	Lowslope \	Slope & Modified Deposits Colluvial	Upland		fine loamy sand o		Well 0 drained	0	0 0	0 2	2 0	0 0	0	Cold- deciduous	Broad-	Shrubland
AGFO.26 F.	ALSE 05		Upland Disturbance Community	NE AGF		+/-6.6M GOVT PLGR	603797	4696632 7/11/97 Rollfsm	ca. 100m SE of trail turnoff S of Bone Cabin ca. 100m N of turnoff of	10	10 TRUE I	11	FALSE unusually high forb	4436 2	Gentle W	Toeslope \	Slope & Modified Deposits 'alley Colluvial	Upland	dense thatch	loamy fine sand - more densely compacted than typical	Sand	Well 0 drained	0	0 0	0 1	1 0	0 1	0	Herb- annual	Broad leaf herbaceous	
AGFO.27 F.	ALSE 04	upland disturbance	Upland Disturbance Community	NE AGF	0 1		601772	4697309 7/15/97 S. Rolfsm	service road in broad canyon on N side of road - NW of small	10	10 TRUE I	21	community is very heterogeneous - plot under-represents weedy forbs and seeded exotic FALSE grasses	4406 2	Gentle S	toeslope \	Slope & Modified Deposits Colluvial			loamy fine sand - somewhat compacted	Sand	Well 0 drained	0	0 0	0 2	2 0	0 1	0	Herb- annual	Graminoid	Herbaceous vegetation
AGFO.28 F.	ALSE 09	wet meadow	Juncus balticus Herbaceous Vegetation	NE AGF		+/-7.4M GOVT PLGR	604517	4697606 7/9/97 S. Rolfsm	thicket on N side of Niobrara River ca. 120m N of	10	10 TRUE I	2	plot more homogeneous than most, and with several small weedy inclusions	4410 2	Gentle E	Low level p	Slope & Modified lood Deposits Alluvium	Palustrine	ca. 30m to water table - near NW corner of plot	shallow sandy loa 2-3cm over sand	m Sandy loam	Poorly 0 drained	0	0 0	0 1	1 0	0 0	0	Herb- perennial	Graminoid	Herbaceous vegetation
AGFO.29 F.	ALSE 09	wet meadow	Juncus balticus Herbaceous Vegetation	NE AGF		+/-6.5M GOVT PLGR	599568	S. Rollsm	easement N of Niobrara River - 100m - between buckbrush patch & willows along W side	10	10 TRUE I	18	much better condition than most other examples of this community in the PALSE	4401 2	Gentle SE	Low level p	Slope & Modified Deposits lain Alluvium	Palustrine	Intermittently flooded	shallow sandy loa over sand	m sandy loam	Poorly 0 drained	0	0 0	0 (	0 0	0 0	0	Herb- pemnial	Graminoid	Herbaceous vegetation
AGFO.30 F.	ALSE 09	wet meadow	Juncus balticus Herbaceous Vegetation	NE AGF		+/-7.6M GOVT PLGR	599733	S. Rolfsm 4697295 7/29/97 C. Rec	on W side of	10	10 TRUE II	4	on a slope and basically a gradient from floodplain meadow to saturated wet meadow ca. I/Os floodplain FALSE meadow	4427 2	Gentle E	Channel F wall p	Slope & Modified Deposits lain Alluvium		plot includes some riverbet and some floodplain meadow on edge of terrace, about 10% each	mucky fine sand (	in Muck	Very poorly 0 drained	0	0 0	0 (	0 0	0 0	2 river	Herb- perennial	Graminold	Herbaceous vegetation
AGFO.31 F.	ALSE 07	wet meadow	Juncus balticus Herbaceous Vegetation	NE AGF		+/-12M GOVT PLGR	600952	S. Rolfsm C. Rec 4696555 7/29/97 Drake	cattail marsh W of willow woods along E side of grazed inclusion S neier, of river on W ed, J. monument	10	10 TRUE II	9	contains small inclusion of floodplain meadow community otherwise FALSE fairly typical	4439 2	Gentle W	Low level p	Slope & Modified lood Deposits lain Alluvium		Temporarily flooded	fine sand	Sand	Somewhai poorly 0 drained		0 0	0 (	0 0	0 0	0	Herb- perennial	Graminoid	Herbaceous vegetation
AGFO.32 F.	ALSE 09	wet meadow	Juncus balticus Herbaceous Vegetation	NE AGF		+/-7.2M GOVT PLGR	604255	S. Rolfsm C. Ret 4697431   7/30/97   Drake	ca. 150- 200m S of visitors center in neier, broad ed, J. floodplain on N side river	10	10 TRUE II	12	good - fairly typical of undisturbed wet FALSE meadow	4394 2	Flat Flat (n/a)	Low level \	Slope & Modified Deposits 'alley Alluvium	Palustrine	Intermittently flooded	fine sand	Sand	Poorly 0 drained	0	0 0	0 0	0 0	0 0	0	Herb- perennial	Graminoid	Herbaceous vegetation

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Agate Food Beds National Monument    Provisional Classified   Provision																																										
Plot Code	Sub	Polyg	on Commun		ty	Location Code	Coord System	GPS Techniques	Corrected UTM X			Surveyors	Plot Directions	X Dimension	Y Dimension		oll Fran		ent Repri	esentativeness E			Asp	Topo sect Positio	n Landform	Surficial Geology	Cowardin System	Hydro Regime	Environmenta Comments	Soil Taxon/Description	Soil Soil	II Soil	% L Bedrock R	% % Large Sm Rocks Ro	nall %	% Litter, %	% %	% Bare % Soil Otl	% Other	Leaf on Phenolog	/ Leaf Type	Physio Class
AGFO	0.33 FA	LSE 06		Juncus balticus Herbaceo low Vegetatio	JS NE			+/-7.2M GOVT PLGR		469759		S. Rolfsmeier C. Reed, J Drake	50 m N of footbridge	10	10	TRUE II	13	FAL	slightl area i	fairly sentative of ly more alkaline in floodplain, at not as weedy	4392 2	Flat		Low l) level	Valley	Slope & Modified Deposits: Alluvium		Intermittently		fine sand	Sand	Poorly 0 drained	0	0	0 0	0 1	0		0	Herb-	Graminoid	Herbaceous
AGFO	0.34 FA	LSE 09A	willow shrubland	Salix exig	ıa NE	AGFO		+/-7.1M GOVT PLGR	604535	469756	58 7/9/97	S. Rolfsmeier		10	10	TRUE I	3	FAL	and is as bu comm	nunity, Salix barely	4416 2	Gentle	NW	Low level		Slope & Modified Deposits: Alluvium	Palustrine	Intermittently	portions of community are flooded	sandy loam (10- 15cm) over sand	Sandy loam	Poorly 0 drained	0	0	0 (	0 1	0	0 0	0	Cold- deciduous	Broad- leaved	Shrubland
			willow	Salix exig				+/-6.5M GOVT				e	S side of sandy open abandoned river channel on N side of river 500m SE overlook on river road & 500m SW of visitors						not as	s wet as plots				Low	Flood	Slope & Modified Deposits:		Tomporoilly	drainage channel runs	sandy loam with	Sandy	Poorly								Cold-	Broad-	
		LSE 09A		Shrubland	NE Ia		1	+/-7M GOVT PLGR			33 7/11/97 54 7/16/97	s.	W side of Niobrara River near S end of willow patch ca. 15m SW of where power lines cross river - N of ranger residence	10		TRUE I			young than o	ger willow stand others sampled - trees ca. 15m	4390 2	Gentle		Low	plain	Alluvium  Slope & Modified Deposits:	Palustrine	flooded	through plot	mottling sandy loam ca 10cm deep over	loam	Poorly 0 drained	0	0	0 0	0 0	0	0 0	0	deciduous	leaved Broad-	Shrubland
AGFO	0.37 FA	LSE 02	western mixed-gra prairie	Stipa comata - Boutelous gracilis - Carex filifolia ass Herbaceo Vegetation		AGFO		+/-8M GOVT PLGR	604770	469672	27 7/10/97	S. Rolfsmeier	upper slope below summit E face of University Hill	10	10	TRUE I	7	FAL	more than u	ually steep with bare ground usual - also with stone talus	4603 2	Somew steep	vhat E	Midslop	e Hills	Slope & Modified Deposits: Colluvial	Upland	Unknown		fine sand with gravel	Sand	Well 0 drained	0	0	1 (	0 0	0	2	0	Herb- perennial	Graminoid	Herbaceous vegetation
AGFO	0.38 FA	LSE 02	western mixed-gra (Carex- Stipa) prairie	filifolia Herbaceo Vegetation	JS NE	AGFO		+/-8.7M GOVT PLGR	604551	469745		C. Reed. J.	E side of fossil hills trail ca. 10m N of beach on S side of floodplain	10	10	TRUE II	14	FAL	highly SE fairly	/ representative - typical	4426 2	Somev steep	vhat W	Midslog	e Hills	Slope & Modified Deposits: Colluvial	upland		this is a shallow soil, only 3-4 inches over bedrock	shallow fine loam		Well 0 drained	0	0	1 (	0 0	0	2	0	Herb- perennial	Graminoid	Herbaceous vegetation
AGFO	).39 FA	LSE 02	western mixed (Carex- Stipa) prairie	Stipa comata - Bouteloua gracilis - Carex filifolia Herbaceo Vegetation	JS NE	AGFO		+/-8.5M GOVT PLGR	604676	469661		S. Rolfsmeier C. Reed, J Drake		10	10	TRUE II	15	FAL	fairly SE slope	typical of steep s	4548 2	Steep	N	Midslop	e Hills	Slope & Modified Deposits: Colluvial	Upland			loamy fine sand over rock	Sand	Well 0 drained	0	1	1	1 1	0	) 2	0	Herb- perennial	Graminoid	Herbaceous vegetation

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